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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Schlothauer et al.

Appl. No. : 09/720,041

Filed : April 2, 2001

For : BIOACTIVE WHEY PROTEIN
HYDROLYSATE

Examiner : Francisco Prats

) Group Art Unit 1645

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Ginger R. Dreger, Reg. No. 33,055AMENDMENTUnited States Patent and Trademark Office
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Dear Sir:

Please amend this application in the following aspects:

In the Claims:

Please cancel claims 1-31, without prejudice.

Please add the following new claims:

-32. (New) A process for preparing a soluble whey protein hydrolysate containing bioactive peptides which comprises:

- A /
Sub B1
- i) hydrolysing a whey protein-containing substrate with at least one heat labile protease, at a temperature of between about 30°C and 70°C at a pH of about 6 to about 8.5 when said enzymes is a neutral proteases, and at a pH of about 3.5 to about 5 when said enzyme is an acid protease, and
 - ii) terminating said hydrolysis when a degree of hydrolysis of no greater than 15% has been reached by deactivating said protease under conditions are sufficiently mild to avoid substantial denaturation peptides in said hydrolysate.